

TRUCKEE RIVER BASIN, LAKE TAHOE

10336608 ECHO LAKE NEAR PHILLIPS, CA

LOCATION.—Lat 38°50'05", long 120°02'36", in NE ¼ NE ¼ sec.1, T.11 N., R.17 E., El Dorado County, Hydrologic Unit 16050101, Eldorado National Forest, at right end of dam on Lower Echo Lake, near valve outlet to Echo Lake Conduit, and 2.0 mi northeast of Phillips.

DRAINAGE AREA.—4.84 mi<sup>2</sup>.

PERIOD OF RECORD.—October 1991 to current year. Unpublished records for 1981–91 water years are available in files of the U.S. Geological Survey.

GAGE.—Water-stage recorder. Prior to Dec. 3, 1991, nonrecording gage read periodically. Elevation of gage is 7,414 ft above NGVD of 1929, from topographic map.

REMARKS.—Record not computed for the winter months. Reservoir is formed by concrete dam completed in 1922 and rebuilt in 1992; storage began in 1922. Usable capacity, 1,890 acre-ft, between gage heights 0.0 ft, spillway crest, and 6.0 ft, top of flashboards. Water is released via Echo Lake Conduit (station 11434500) to the South Fork American River for power and domestic use. Records from Dec. 3, 1991, including extremes, represent usable contents at 2400 hours. [See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.](#)

COOPERATION.—Records were collected by El Dorado Irrigation District, under general supervision of the U.S. Geological Survey, in connection with Federal Energy Regulatory Commission project no. 184.

Capacity table (gage height, in feet, and contents, in acre-feet)  
(Based on survey by El Dorado Irrigation District in 2000)

0	0	2	631	4	1,279	6	1,943
1	315	3	955	5	1,611		

RESERVOIR STORAGE, ACRE FEET, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1190	230	---	---	---	---	---	---	1740	1930	1820	1630
2	1170	221	---	---	---	---	---	---	1780	1940	1810	1610
3	1140	233	---	---	---	---	---	---	1800	1940	1810	1600
4	1100	233	---	---	---	---	---	---	1810	1940	1790	1590
5	1080	205	---	---	---	---	---	---	1800	1930	1780	1580
6	1060	152	---	---	---	---	---	495	1790	1930	1780	1570
7	1030	117	---	---	---	---	---	657	1810	1930	1770	1540
8	1000	---	---	---	---	---	---	696	1820	1940	1760	1490
9	981	---	---	---	---	---	---	757	1840	1930	1760	1440
10	929	---	---	---	---	---	---	806	1820	1920	1750	1390
11	890	---	---	---	---	---	---	893	1830	1930	1750	1350
12	867	---	---	---	---	---	---	936	1850	1920	1740	1290
13	838	---	---	---	---	---	---	974	1870	1920	1740	1220
14	803	---	---	---	---	---	---	1010	1890	1910	1730	1170
15	764	---	---	---	---	---	---	1060	1900	1900	1730	1120
16	731	---	---	---	---	---	---	1120	1920	1900	1730	1080
17	702	---	---	---	---	---	---	1110	1930	1900	1720	1010
18	673	---	---	---	---	---	---	1210	1930	1890	1720	1020
19	634	---	---	---	---	---	---	1240	1940	1890	1710	1000
20	593	---	---	---	---	---	---	1280	1930	1890	1710	974
21	558	---	---	---	---	---	---	1330	1930	1880	1700	958
22	524	---	---	---	---	---	---	1370	1930	1880	1700	942
23	476	---	---	---	---	---	---	1380	1920	1880	1680	929
24	438	---	---	---	---	---	---	1410	1920	1880	1690	916
25	403	---	---	---	---	---	---	1450	1920	1870	1670	903
26	372	---	---	---	---	---	---	1490	1920	1870	1640	897
27	347	---	---	---	---	---	---	1570	1920	1860	1640	880
28	302	---	---	---	---	---	---	1720	1930	1860	1640	861
29	274	---	---	---	---	---	---	1730	1930	1850	1640	835
30	252	---	---	---	---	---	---	1730	1940	1840	1620	793
31	249	---	---	---	---	---	---	1730	---	1830	1620	---
MAX	1190	--	---	---	---	---	---	--	1940	1940	1820	1630
MIN	249	--	---	---	---	---	---	--	1740	1830	1620	793
a	0.79							5.35	5.98	5.66	5.03	2.50
b	-961								+210	-110	-210	-827
c	865	37	0	0	0	0	0	0	0	0	0	663

CAL YR 2003 c 1260  
WTR YR 2004 b -417 c 1570

a Gage height, in feet, at end of month.

b Change in contents, in acre-feet.

c Release, in acre-feet, through Echo Lake Conduit (station 11434500), provided by El Dorado Irrigation District.